

## PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE:                                                                     | NEW ASSIGNMENT               |
| NATURE OF CONVEYANCE:                                                                | ASSIGNMENT                   |
| CONVEYING PARTY DATA                                                                 |                              |
| Name                                                                                 | Execution Date               |
| Sriram Venkatesan                                                                    | 01/21/2013                   |
| Shridhar G. Bendi                                                                    | 01/25/2013                   |
| RECEIVING PARTY DATA                                                                 |                              |
| Name:                                                                                | Intel Corporation            |
| Street Address:                                                                      | 2200 Mission College Blvd.   |
| City:                                                                                | Santa Clara                  |
| State/Country:                                                                       | CALIFORNIA                   |
| Postal Code:                                                                         | 95054                        |
| PROPERTY NUMBERS Total: 1                                                            |                              |
| Property Type                                                                        | Number                       |
| Application Number:                                                                  | 13706644                     |
| CORRESPONDENCE DATA                                                                  |                              |
| Fax Number:                                                                          | 6126773572                   |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                              |
| Phone:                                                                               | 6122369997                   |
| Email:                                                                               | kaustad@cpaglobal.com        |
| Correspondent Name:                                                                  | Patent Capital Group         |
| Address Line 1:                                                                      | C/O CPA Global               |
| Address Line 2:                                                                      | P.O. Box 52050               |
| Address Line 4:                                                                      | Minneapolis, MINNESOTA 55402 |
| ATTORNEY DOCKET NUMBER:                                                              | P42938                       |
| NAME OF SUBMITTER:                                                                   | Thomas Frame                 |
| Signature:                                                                           | /Thomas Frame/               |
| Date:                                                                                | 04/30/2013                   |
| Total Attachments: 2<br>source=P42938_ASSN#page1.tif<br>source=P42938_ASSN#page2.tif |                              |

CH \$40.00 13706644

ASSIGNMENT

WHEREAS, We, Sriram Venkatesan, residing at 1200 Creekside Drive #2416,  
Folsom, CA 95630, and Shridhar G. Bendi, residing at #136, Airport Road, Bangalore, KA 560 ~~1165, ELDOORABBY CIRCLE~~ ~~117, India~~, made certain new and useful inventions and improvements for which we filed an  
application for Letters Patent of the United States entitled TESTING USING ANALOG NEAR  
END LOOP BACK CIRCUIT.

WHEREAS, We hereby authorize and request our attorneys, associated with Customer  
Number 106448, to insert here in parentheses (Ser. No. 13/706,644 ; Filing Date:  
December 06, 2012 ) the filing date and application number of said application when known.

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by  
virtue of the laws of the State of Delaware, and having an office and place of business at 2200  
Mission College Blvd., Santa Clara, CA 95054 (hereinafter "Assignee"), is desirous of acquiring  
the entire right, title and interest in and to said inventions, improvements and application and in  
and to the Letters Patent to be obtained therefore;

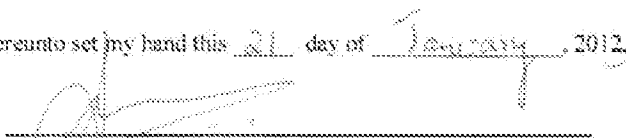
NOW, THEREFORE, to all whom it may concern, be it known that for good and  
valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have  
sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said  
Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all  
inventions and improvements disclosed in the aforesaid application, and in and to the said  
application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters  
Patent which may be granted there from, and all reissues or extensions of such patents, and in  
and to any and all applications which have been or shall be filed in any foreign countries for  
Letters Patent on the said inventions and improvements, including an assignment of all rights  
under the provisions of the International Convention, and all Letters Patent of foreign countries  
which may be granted there from; and we do hereby authorize and request the Commissioner of  
Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

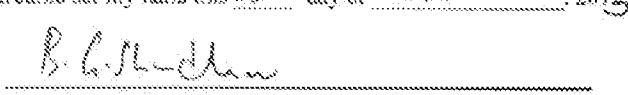
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of January, 2013

  
SRIRAM VENKATESAN

IN TESTIMONY WHEREOF, I have hereunto set my hand this 25<sup>th</sup> day of JAN, 2013

  
SHRIDHAR G. BENDU